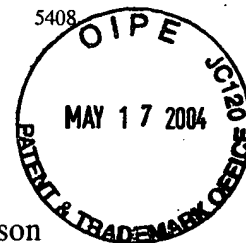


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

5408



APPLICANT: Marta Gomez-Chiarri et al. GROUP: 1636
SERIAL NO: 09/915,615 EXAMINER: David A. Lambertson
FILED: July 26, 2001
FOR: DELIVERY OF DNA VACCINES INTO FISH BY IMMERSION

Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450
Attn: Marian Hines

Dear Ms. Hines,

As requested, enclosed herewith is a computer readable form (CRF) of the nucleotide sequences set forth in the above application.

Respectfully submitted,

Richard L. Stevens, Jr.
Registration No. 44,357
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225 Franklin Street, Suite 3300
Boston, MA 02110
Telephone: (617) 426-9180, Ext. 123

I hereby certify that this correspondence (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to Commissioner of Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

Meghan H. Carr
05/12/04
Date